REMARKS

Applicants respectfully request reconsideration of the present U.S. Patent application as amended herein. Claims 1, 10, 26, and 28 have been amended. Claims 1-37 are pending.

Claim Rejections - 35 U.S.C. § 103

Claims 1-31 and 36-37 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,047,001 issued to Kuo et al. in view of U.S. Patent No. 6,567,882 issued to Onagawa. Claims 1, 10, 26, and 28 have been amended.

Claim 1, as amended, recites the following:

receiving status information concerning a size and location of a data packet;
receiving statistical information concerning a bus condition; and
storing the status information and the statistical information on a storage device coupled to a bus using a single write procedure that accesses the bus once during the write procedure.

Claims 10, 26, and 28 recite similar limitations.

Kuo discloses a method in a network interface device that stores data associated with a data frame in a buffer memory. The method includes reserving a first buffer memory location for tracking information corresponding to the data frame, writing the data frame in contiguous buffer memory locations following the first buffer memory location, generating tracking information for the data frame following the data frame writing step, and writing the generated tracking information into the first buffer memory location. See col. 2, lines 23-33.

Kuo does not disclose storing status information and statistical information on a storage device coupled to a bus using a single write procedure that accesses the bus once during the write procedure. These limitations are recited in claims 1, 10, 26, and 28. Therefore, Applicants submit that claims 1, 10, 26, and 28 are patentable over Kuo.

Onagawa discloses a PCI function extension control circuit. The Office Action states that Onagawa discloses a state machine that monitors PCI bus transactions over the PCI bus and generates PCI status information showing the phase in the course of transaction. Whether or not Onagawa discloses such as state machine, Onagawa does not disclose storing status information and statistical information on a storage device coupled to a bus using a single write procedure that accesses the bus once during the write procedure. Therefore, Onagawa does not cure the deficiencies of Kuo. Thus, Applicants submit that claims 1, 10, 26, and 28 are patentable over Kuo and Onagawa.

Claims 2-9, 11-25, 27, and 29-37 are dependent claims and distinguish for at least the same reasons as their independent base claim in addition to adding further limitations of their own. Therefore, Applicants submit that claims 2-9, 11-25, 27, and 29-37 are patentable over Kuo and Onagawa for at least the reasons set forth above.

Claim 32 is rejected under 35 U.S.C. §103(a) as being unpatentable over Kuo et al. in view of Onagawa and further in view of U.S. Patent No. 5,568,471 issued to Hershey et al.

As discussed above, neither Kuo nor Onagawa discloses storing status information and statistical information on a storage device coupled to a bus using a single write procedure that accesses the bus once during the write procedure. These limitations are recited in claim 1, from which claim 32 depends. Therefore, Applicants submit that claim 32 is patentable over Kuo and Onagawa.

The Office Action states that Hershey discloses a workstation monitoring and controlling a plurality of communication networks using different protocols coupled to a common bus. Whether or not Hershey such a workstation, Hershey does not disclose storing status information and statistical information on a storage device coupled to a bus using a single write procedure that accesses the bus once during the write procedure. Therefore, Hershey does not cure the

deficiencies of Kuo and Onagawa. Thus, Applicants submit that claim 32 is patentable over Kuo, Onagawa, and Hershey.

Claims 33-34 are rejected under 35 U.S.C. §103(a) as being unpatentable over Kuo et al. in view of Onagawa and further in view of U.S. Patent No. 5,471,474 issued to Grobicki et al.

As discussed above, neither Kuo nor Onagawa discloses storing status information and statistical information on a storage device coupled to a bus using a single write procedure that accesses the bus once during the write procedure. These limitations are recited in claim 10, from which claims 33-34 depend. Therefore, Applicants submit that claim 33-34 are patentable over Kuo and Onagawa.

The Office Action states that Grobicki discloses a system that implements a protocol to allocate network bandwidth to the system nodes requesting it. Whether or not Hershey such a system, Grobicki does not disclose storing status information and statistical information on a storage device coupled to a bus using a single write procedure that accesses the bus once during the write procedure. Therefore, Grobicki does not cure the deficiencies of Kuo and Onagawa. Thus, Applicants submit that claims 33-34 are patentable over Kuo, Onagawa, and Grobicki.

Claim 35 is rejected under 35 U.S.C. §103(a) as being unpatentable over Kuo et al. in view of Onagawa and further in view of U.S. Patent No. 6,151,696 issued to Miller et al.

As discussed above, neither Kuo nor Onagawa discloses storing status information and statistical information on a storage device coupled to a bus using a single write procedure that accesses the bus once during the write procedure. These limitations are recited in claim 10, from which claim 35 depends. Therefore, Applicants submit that claim 35 is patentable over Kuo and Onagawa.

The Office Action states that Miller discloses a method that when a status request is received, NAK are sent to the server by clients that have dropped frames, and this is an

indication of congestion by those clients to the server. Whether or not Miller discloses such a method, Miller does not disclose storing status information and statistical information on a storage device coupled to a bus using a single write procedure that accesses the bus once during the write procedure. Therefore, Miller does not cure the deficiencies of Kuo and Onagawa. Thus, Applicants submit that claim 35 is patentable over Kuo, Onagawa, and Miller.

Conclusion

In view of the amendments and remarks set forth above, Applicants submit that claims 1-37 are in condition for allowance and such action is respectfully solicited. The Examiner is respectfully requested to contact the undersigned by telephone if it is believed that such contact would further the examination of the present application.

Please charge any shortages and credit any overcharges to our Deposit Account number 02-2666.

Respectfully submitted,
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